AMENDMENTS TO THE CLAIMS

1. (Currently amended) A positioning and measuring station for photoelectric elements to accurately couple a measuring object with an external optical fiber, comprising:

a base;

a platen located on a top side of the base having a flat surface for holding the measuring object;

a five-axis driving module located between the base and the platen to generate axial motions with respect to X, Y and Z axes, plate rotation to a selected angle, and plane inclination to another selected angle from the platen relative to the base; and

a retaining member located on ~~the platen having a top edge higher than a flat surface to be in contact with the measuring object for defining the holding position of the measuring object on the flat surface~~ one side of the platen having a top edge higher than the flat surface to provide an alignment wall for the measuring object to lean on so that the holding position of the measuring object on the flat surface is defined.

2. (Original) The positioning and measuring station of claim 1 further having an elevation controller for controlling the elevation of the retaining member relative to the flat surface.

3. (Original) The positioning and measuring station of claim 1 further having a suction module located on one side of the platen.

4. (Original) The positioning and measuring station of claim 3, wherein the flat surface has a plurality of suction apertures communicating with the suction module for drawing air through the apertures when the suction module operates so that the measuring object is held tightly on the platen.

5. (Original) The positioning and measuring station of claim 4, wherein the suction apertures are abutting the retaining member.

6. (Original) The positioning and measuring station of claim 4, wherein the suction apertures are located in the center of the platen and dispersed outwards in a spaced manner.

7. (Original) The positioning and measuring station of claim 1, wherein the platen has an electric connecting section on one side thereof for receiving external electric power.

8. (Original) The positioning and measuring station of claim 1, wherein the platen has a cavity which holds a temperature sensor for measuring the temperature of the measuring environment.

9. (Original) The positioning and measuring station of claim 8, wherein the platen has a trough which holds a temperature regulator to control the temperature of the measuring environment within a selected range according to signals transmitted from the temperature sensor.

10. (Original) The positioning and measuring station of claim 1, wherein the platen has a surface plated with a sputtered conductive metal layer.

11. (Original) The positioning and measuring station of claim 1, wherein the base is made from an electric insulation material.

12. (Canceled)

13. (Canceled)

14. (New) A positioning and measuring station for photoelectric elements to accurately couple a measuring object with an external optical fiber, comprising:

a base;

a platen located on a top side of the base having a flat surface for holding the measuring object;

a multi-axis driving module located between the base and the platen to generate axial motions; and

a retaining member located on the platen having a top edge higher than a flat surface to be in contact with the measuring object for defining the holding position of the measuring object on the flat surface, wherein the flat surface has an elongated trough for holding the retaining member and allowing the retaining member to be exposed outside the flat surface.

15. (New) The positioning and measuring station of claim 14, further comprising an elevation controller for controlling the elevation of the retaining member relative to the flat surface.

16. (New) The positioning and measuring station of claim 14, further comprising a suction module located on one side of the platen.

17. (New) The positioning and measuring station of claim 16, wherein the flat surface has a plurality of suction apertures communicating with the suction module for drawing air through the apertures when the suction module operates so that the measuring object is held tightly on the platen.

18. (New) The positioning and measuring station of claim 16, wherein the suction apertures are abutting the retaining member.

19. (New) The positioning and measuring station of claim 16, wherein the suction apertures are located in the center of the platen and dispersed outwards in a spaced manner.

20. (New) The positioning and measuring station of claim 14, wherein the platen has an electric connecting section on one side thereof for receiving external electric power.

21. (New) The positioning and measuring station of claim 14, wherein the platen has a cavity which holds a temperature sensor for measuring the temperature of the measuring environment.

22. (New) The positioning and measuring station of claim 21, wherein the platen has a trough which holds a temperature regulator to control the temperature of the measuring environment within a selected range according to signals transmitted from the temperature sensor.

23. (New) The positioning and measuring station of claim 14, wherein the platen has a surface plated with a sputtered conductive metal layer.

24. (New) The positioning and measuring station of claim 14, wherein the base is made form an electric insulation material.

25. (New) The positioning and measuring station of claim 14, wherein the module can generate axial motions with respect to X, Y and Z axes, platen rotation to a selected angle, and plane inclination to another selected angle from the platen relative to the base.

26. (New) A positioning and measuring station for photoelectric elements to accurately couple a measuring object with an external optical fiber, comprising:

a base;

a platen located on a top side of the base having a flat surface for holding the measuring object;

a multi-axis driving module located between the base and the platen to generate axial motions; and

a retaining member located on the platen having a top edge higher than a flat surface to be in contact with the measuring object for defining the holding position of the measuring object on the flat surface;

wherein the platen has a cavity which holds a temperature sensor for measuring the temperature of the measuring environment.

27. (New) The positioning and measuring station of claim 26, further comprising an elevation controller for controlling the elevation of the retaining member relative to the flat surface.

28. (New) The positioning and measuring station of claim 26, further comprising a suction module located on one side of the platen.

29. (New) The positioning and measuring station of claim 28, wherein the flat surface has a plurality of suction apertures communicating with the suction module for drawing air through the apertures when the suction module operates so that the measuring object is held tightly on the platen.

30. (New) The positioning and measuring station of claim 28, wherein the suction apertures are abutting the retaining member.

31. (New) The positioning and measuring station of claim 28, wherein the suction apertures are located in the center of the platen and dispersed outwards in a spaced manner.

32. (New) The positioning and measuring station of claim 26, wherein the platen has an electric connecting section on one side thereof for receiving external electric power.

33. (New) The positioning and measuring station of claim 26, wherein the platen has a trough which holds a temperature regulator to control the temperature of the measuring environment within a selected range according to signals transmitted from the temperature sensor.

34. (New) The positioning and measuring station of claim 26, wherein the platen has a surface plated with a sputtered conductive metal layer.

35. (New) The positioning and measuring station of claim 26, wherein the base is made form an electric insulation material.

36. (New) The positioning and measuring station of claim 26, wherein the module can generate axial motions with respect to X, Y and Z axes, platen rotation to a selected angle, and plane inclination to another selected angle from the platen relative to the base.

37. (New) The positioning and measuring station of claim 26, wherein the retaining member is located on one side of the platen.

38. (New) The positioning and measuring station of claim 26, wherein the flat surface has an elongated trough for holding the retaining member and allowing the retaining member to be exposed outside the flat surface.

39. (New) A positioning and measuring station for photoelectric elements to accurately couple a measuring object with an external optical fiber comprising:

a base;

a platen located on a top side of the base having a flat surface for holding the measuring object;

a multi-axis driving module located between the base and the platen to generate axial motions; and

a retaining member located on one side of the platen having a top edge higher than the flat surface to provide an alignment wall for the measuring objected to lean on so that the holding position of the measuring object on the flat surface is defined.

40. (New) The positioning and measuring station of claim 39, further comprising an elevation controller for controlling the elevation of the retaining member relative to the flat surface.

41. (New) The positioning and measuring station of claim 39, further comprising a suction module located on one side of the platen.

42. (New) The positioning and measuring station of claim 41, wherein the flat surface has a plurality of suction apertures communicating with the suction module for drawing air through the apertures when the suction module operates so that the measuring object is held tightly on the platen.

43. (New) The positioning and measuring station of claim 42, wherein the suction apertures are abutting the retaining member.

44. (New) The positioning and measuring station of claim 42, wherein the suction apertures are located in the center of the platen and dispersed outwards in a spaced manner.

45. (New) The positioning and measuring station of claim 39, wherein the platen has an electric connecting section on one side thereof for receiving external electric power.

46. (New) The positioning and measuring station of claim 39, wherein the platen has a cavity which holds a temperature regulator sensor for measuring the temperature of the measuring environment.

47. (New) The positioning and measuring station of claim 46,wherein the platen has a trough which holds a temperature regulator to control the temperature of the measuring environment within a selected range according to signals transmitted from the temperature sensor.

48. (New) The positioning and measuring station of claim 39, wherein the platen has a surface plated with a sputtered conductive metal layer.

49. (New) The positioning and measuring station of claim 39, wherein the base is made form an electric insulation material.

50. (New) The positioning and measuring station of claim 39, wherein the multi-axis driving module can generate axial motions with respect to X, Y and Z axes, platen rotation to a selected angle, and plane inclination to another selected angle from the platen relative to the base.